

CLAIMS

1. A bag formed of a sheet material comprising a plastically deformable wire-like member attached along a lateral edge thereof, the wire-like member being disposed inside a fused joint of a folded back hem seal formed along the lateral edge.
- 5 2. A bag formed of a sheet material comprising a plastically deformable wire-like member attached along a lateral edge thereof, the lateral edge having a hem seal formed by heat sealing, and the wire-like member being disposed inside the fused joint of the hem seal with a non-fused portion left between the wire-like member and the surrounding fused portion of the hem seal.
- 10 3. The bag according to claim 1, wherein the joint has formed therein a tubular holder for holding a wire-like member, and the wire-like member is inserted in the holder.
4. The bag according to claim 1, wherein the bag is a gusset bag comprising a pair of main faces and a pair of inward folding side faces and being adapted to be opened at
15 the top for taking out the contents while self-standing, wherein
a deformable vertical wire-like member is vertically attached along each lateral edge that is an intersection of adjacent main and side faces over a length from an output opening side portion to a body portion of the gusset bag.
5. The bag according to claim 4, wherein the vertical wire-like member is
20 attached to each of the side faces along each lateral edge, and a lateral wire-like member is laterally attached to each of the side faces.
6. The bag according to claim 4, wherein at least one of the main faces is provided with a cutting guide line along which an upper part of the gusset bag is adapted to be cut off, the cutting guide line intersecting with the vertical wire-like
25 members, and the vertical wire-like members are adapted to be cut off along the cutting guide line.
7. The bag according to claim 4, wherein a projection for creating a level

difference is provided across the centerline of each of the side faces below an upper end output opening.

8. The bag according to claim 4, wherein each of the side faces has a vertical fin-like rib projecting on the outer side thereof along the centerline thereof, the rib being
5 formed by folding a narrow longitudinal area symmetric about the center line to make a mountain fold on the outer surface of the side face along the centerline and adhering the facing inner sides of the folded narrow area.

9. The bag according to claim 1 which is obtained by a method comprising the steps of forming a tubular holder for holding a wire-like member in the inner side of the
10 lateral edge and inserting the wire-like member in the tubular holder.

10. The bag according to claim 9, which has a wire-like member-absent portion between the upper end of the tubular holder and the upper end of the bag.

11. The bag according to claim 10, which is obtained by a method comprising the steps of:
15 forming the tubular holder with the wire-like member-absent portion,
positioning the wire-like member above the upper end of the tubular holder and along the lateral edge, and
moving down and inserting the positioned wire-like member into the tubular holder.

20 12. The bag according to claim 11, wherein the method further comprises the step of sealing the part above the tubular holder and/or the opening of the tubular holder to seal in the wire-like member.

25 13. The bag according to claim 1, which is obtained by a method comprising the steps of:
disposing a non-magnetic tube having a magnetic wire-like member inserted therein along the inside corner of the lateral edge while holding open the inside corner,
drawing only the tube from the inside corner while holding the wire-like

member in place by means of a magnet set outside of the lateral edge, and

heat sealing the lateral edge from the outside to form a hem seal along the lateral edge thereby to fix the wire-like member inside the fused joint of the hem seal.

- 5 14. The bag according to claim 1, which-is obtained by a method comprising the steps of:

forming an open-topped tubular holder inside the fused joint,
inserting the wire-like member in the tubular holder, and
heat sealing the upper end opening of the tubular holder.

- 10 15. The bag according to claim 1, wherein the wire-like member is covered with a resin.

16. A detergent package comprising a powdered or granular detergent packed in the bag or the gusset bag according to any one of claims 1 to 15.